

**Thematic plan**  
**of the practical classes 4 – th module «Specialty kinds of surgical care»**  
**for students of the 6 th course**  
**specialty "Medicine" 2024 – 2025 academic year**

№	Topic	Hours
<b>1</b>	<b>2</b>	<b>3</b>
<b>The thematic module № 1 «General surgical purulent infection»</b>		
1.	Purulent surgical infection Purulent surgical infection. Local purulent processes (boil, carbuncle, abscess, subcutaneous phlegmon, panaritium, hydradenitis, mastitis, lymphadenitis) Causes, mechanism of development, clinical manifestations, diagnosis, treatment. Rules and techniques for opening abscesses.	2
2.	Purulent surgical infection Purulent surgical infection. Inflammatory diseases of the cellular spaces (phlegmons of the hand, neck, subpectoral, inguinal area). Causes, mechanism of development, clinical manifestations, diagnosis, treatment. Rules and techniques for opening abscesses. Wound infection. Antibiotic prophylaxis and antibiotic therapy in surgery: history, principles, indications, contraindications, complications and their treatment.	2
3.	Generalized surgical purulent infection. Surgical sepsis Generalized surgical purulent infection. Systemic inflammatory response syndrome in surgical patients. Its role in the pathogenesis of inflammatory diseases, clinical signs and their early diagnosis.	2
4.	Generalized surgical purulent infection. Surgical sepsis Generalized surgical purulent infection. Surgical sepsis: causes, pathogenesis, its significance in relation to the severity of various diseases and injuries. Classification, clinical manifestations, clinical variants, complications. Diagnosis according to modern methods of examination. Intensive care of sepsis, surgical treatment of septic foci	2
5.	Acute peritonitis. Acute peritonitis. Etiology, pathogenesis, classification. Clinic of local and widespread acute peritonitis. Diagnosis, differential diagnosis. Treatment tactics for acute local and widespread peritonitis. Complications of peritonitis: SPON. Features of preoperative preparation: correction of water-electrolyte disorders and protein metabolism, detoxification. Surgical treatment, method of programmed relaparotomy, rehabilitation and laparostomy. Indications and methods of intubation of the small intestine.	2
6.	Acute peritonitis Extraperitoneal phlegmon: causes, mechanism of development, clinical manifestations, diagnosis, treatment.	2
7.	Syndrome of "false" acute abdomen. Surgical complications in patients with infectious pathology Syndrome of "false" acute abdomen. Surgical complications in patients with infectious pathology: HIV in surgical patients	
<b>The thematic module № 2 «Surgical gastroenterology and proctology»</b>		
8.	Gallstone disease Surgical diseases of the gallbladder and extrahepatic bile ducts. Gallstone disease: causes, classification by VT Zaitsev and OO Shalimov. Chronic calculous cholecystitis, choledocholithiasis: causes, pathogenesis, clinical manifestations. Diagnosis, differential diagnosis, Actions of a general practitioner when a patient is diagnosed with gallstone disease. Rehabilitation of patients	2
9.	Gallstone disease Gallstone disease: surgical tactics, methods of treatment, technique of surgical interventions. Rehabilitation of patients	2

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10.	Chronic pancreatitis, pancreatic cysts Chronic pancreatitis: causes, pathogenesis, clinical manifestations, diagnosis, differential diagnosis. Surgical tactics, methods of treatment, technique of surgical interventions. Actions of a general practitioner when a patient is diagnosed with chronic pancreatitis. Rehabilitation of patients	2
11.	Chronic pancreatitis, cysts of the pancreas Pancreatic cysts: causes, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment	2
12.	Diseases of the operated biliary tract Diseases of the operated biliary tract, causes, classification: choledocholithiasis, stricture of the choledochus. Clinic, diagnosis, treatment. Mechanical jaundice: causes, pathogenesis, clinic. Examination methods, differential diagnosis, surgical tactics, treatment.	2
13.	Diseases of the operated biliary tract Diseases of the hepato-pancreato-biliary zone complicated by mechanical jaundice: tumors of the extrahepatic bile ducts (Mirizzi syndrome), tumors of the Vater papilla, tumors and cysts of the pancreas. Clinic, diagnosis, treatment. mechanical jaundice. Methods of surgical interventions and drainage of the biliary tract, their technique. The role of minimally invasive and endoscopic surgical methods in treatment	2
14.	Diseases of the operated stomach: post-resection and post-vagotomy syndromes. Chronic diseases of the stomach and duodenum. Features of clinical manifestations, diagnosis and treatment of chronic gastric and duodenal ulcers. Indications and methods of surgical interventions. Postresection syndromes. Causes, pathogenesis, clinic, diagnosis, differential diagnosis and treatment. Actions of the general practitioner at detection at patients of diseases of the operated stomach. Rehabilitation of patients.	2
15.	Diseases of the operated stomach: post-resection and post-vagotomy syndromes. Diseases of the operated stomach: postvagotoma syndromes. Causes, pathogenesis, clinic, diagnosis, differential diagnosis and treatment. Actions of the general practitioner at detection at patients of diseases of the operated stomach. Rehabilitation of patients.	2
16.	Gastric or duodenal ulcer complicated by stenosis, duodenostasis Chronic content promotion disorder on the gastrointestinal tract. Gastric and duodenal ulcer complicated by stenosis: causes, classification, clinic, diagnosis, differential diagnosis. treatment. Actions of the general practitioner at detection at the patient of a pyloroduodenal stenosis. Rehabilitation of patients	2
17.	Gastric or duodenal ulcer complicated by stenosis, duodenostasis Chronic violation of the promotion of the contents of the gastrointestinal tract. Duodenostasis: causes, classification, clinic, diagnosis, differential diagnosis and treatment. Rehabilitation of patients	2
18.	Adhesive disease of the peritoneum Adhesive peritoneal disease: causes, pathogenesis, classification, clinic of various forms, diagnosis	2
19.	Adhesive disease of the peritoneum Adhesive peritoneal disease: conservative and surgical treatment, indications, features and types of surgical interventions. Actions of the general practitioner at detection at the patient of SHO. Rehabilitation of patients	2
20.	Portal hypertension syndrome Portal hypertension syndrome: causes, pathogenesis, classification. Clinical manifestations. Diagnosis, differential diagnosis. Conservative and surgical treatment Liver transplantation. Actions of a general practitioner in the presence of LNG in a patient. Rehabilitation of patients.	
21.	Portal hypertension syndrome Portal hypertension syndrome: complications	2

1	2	3
<b>The thematic module №3 «Surgical diseases of arteries and veins»</b>		
22.	Obliterating atherosclerosis, obliterating endarteritis, Raynaud's disease, Takayasu's disease Chronic ischemia of the lower extremities: Obliterating atherosclerosis, obliterating endarteritis, Raynaud's disease, Takayasu's disease. Causes, pathogenesis, classification of chronic ischemia according to the level of occlusion of the aorta and arteries of the extremities. Clinic, diagnosis.	2
23.	Obliterating atherosclerosis, obliterating endarteritis, Raynaud's disease, Takayasu's disease. Chronic ischemia of the lower extremities: Obliterating atherosclerosis, obliterating endarteritis, Raynaud's disease, Takayasu's disease .: treatment. Actions of the general practitioner at detection at the patient of chronic arterial ischemia of extremities. Rehabilitation of patients	2
24.	Diabetic foot syndrome Diabetic foot syndrome: causes, pathogenesis, classification. Clinical manifestations, variants of the clinical course, complications. Diagnosis, differential diagnosis.	2
25.	Diabetic foot syndrome Diabetic foot syndrome: conservative and surgical treatment of diabetic angiopathy, infected foot in diabetic neuropathy, patients with multifocal atherosclerotic arterial lesions. Actions of the general practitioner at detection at the patient of a syndrome of a diabetic foot. Rehabilitation of patients	2
26.	Syndrome of acute ischemia of the extremities Acute limb ischemia syndrome. Causes: arterial thrombosis and embolism, limb injury, compartment syndrome. Classification of acute limb ischemia syndrome. Clinic, options for the clinical course.	2
27.	Syndrome of acute ischemia of the extremities Acute limb ischemia syndrome. Diagnosis, first aid, treatment tactics. Actions of the general practitioner at detection at the patient of an acute arterial ischemia of extremities. Rehabilitation of patients	2
28.	Aortic arch syndrome Aortic arch syndrome. Aortic aneurysms: classification, clinical manifestations The main arterial branches of the aortic arch, their role in the aortic arch syndrome. clinical manifestations of aortic lesions of different localization, complications.	2
29.	Varicose veins of the lower extremities, primary and secondary varicose veins. Causes, pathogenesis, classification, clinic	2
30.	Varicose veins of the lower extremities Varicose veins of the lower extremities, methods of surgical treatment. Actions of the general practitioner at detection at the patient of a varicose vein. Rehabilitation of patients. Complications.	2
31.	Thrombosis and thrombophlebitis of superficial and deep main veins of the extremities Thrombosis and thrombophlebitis of superficial veins of the extremities. Causes, pathogenesis, classification, clinic, diagnosis, complications. Conservative and surgical treatment.	2
32.	Thrombosis and thrombophlebitis of superficial and deep main veins of the extremities Thrombosis and thrombophlebitis of the deep main veins of the extremities. Causes, pathogenesis, classification, clinic, diagnosis, complications. Conservative and surgical treatment. yndrome of the superior and inferior vena cava	2
33.	Pulmonary artery thromboembolism Pulmonary artery thromboembolism. Causes, clinic, diagnosis	2
34.	Pulmonary artery thromboembolism Pulmonary artery thromboembolism. Differential diagnosis. Modern possibilities of conservative and surgical treatment. Actions of a general practitioner in the presence of a patient with pulmonary embolism. Rehabilitation of patients	2
35.	Postrombophlebitic syndrome Postrombophlebitic syndrome. Etiopathogenesis, classification. Clinic. Diagnosis, differential diagnosis. Conservative and methods of surgical treatment.	2
36.	Postrombophlebitic syndrome. Postrombophlebitic syndrome. Trophic ulcer: causes, pathogenesis, clinic, methods of treatment. Lymphedema of the extremities. Causes, pathogenesis, classification, clinic. Diagnosis, conservative and surgical treatment methods	2

37.	39 Abdominal ischemic syndrome Acute occlusions of mesenteric vessels. Causes, pathogenesis, pathomorphology, clinic, diagnosis, differential diagnosis. Methods of treatment. Actions of a general practitioner in the presence of an AIS patient. Short small bowel syndrome. Rehabilitation of patients.	2
38.	Topic 40 Abdominal ischemic syndrome Chronic occlusions of mesenteric vessels. Causes, pathogenesis, pathomorphology, clinic, diagnosis, differential diagnosis. Complication. Methods of treatment. Actions of a general practitioner in the presence of AIS in a patient. Rehabilitation of patients.	2
<b>The thematic module №4 «Endocrine surgery»</b>		
39.	Thyroid hypertrophy syndrome. Thyrotoxicosis syndrome. Thyroiditis. Thyroid cancer Thyroid hypertrophy syndrome. Thyrotoxicosis syndrome. Classification of thyroid diseases. Endemic and sporadic, euthyroid and thyrotoxic goiter. Causes, pathogenesis, clinic. Special methods of examination of patients. Differential diagnosis.	2
40.	Thyroid hypertrophy syndrome. Thyrotoxicosis syndrome. Thyroiditis. Thyroid cancer Thyroid hypertrophy syndrome. Thyrotoxicosis syndrome. Modern methods of conservative and surgical treatment of diseases. Preoperative preparation. Methods of surgical interventions. Complication. Thyrotoxic crisis. Clinic, treatment, prevention. Thyroiditis. Thyroid cancer. Causes, pathogenesis, clinic. Special methods of examination of patients. Differential diagnosis. Modern methods of conservative and surgical treatment of diseases. Preoperative preparation. Methods of surgical interventions.	2
41.	Diseases of the parathyroid glands and adrenal glands. Diseases of the parathyroid glands and adrenal glands. Hypoparathyroidism, ulcerogenic endocrine diseases (primary hyperparathyroidism, Solinger-Ellison syndrome), pathogenesis, clinical features, diagnosis and treatment. Adrenal diseases: Itsenko-Cushing's syndrome, pheochromocytoma, Addison's disease, pathogenesis, clinical features, diagnosis and treatment. Diseases of the pancreas: insulinoma, pathogenesis, clinical features, diagnosis and treatment	2
<b>The thematic module №5 «Base of transplantology»</b>		
42.	Socio-legal aspects of transplantation. Fundamentals of transplant immunology Fundamentals of transplant immunology. Methods of donor selection, storage of donor organs and their transportation. Socio-legal aspects of transplantology. Indication and contraindications to transplantation of the heart, lungs, liver, pancreas, kidneys	2
43.	Curation of patients. Curation of patients, record of the letter of curation.	2
44.	Practice of practical skills on extras and patients.	
45.	Final modular control Final modular control – assessment of practical skills, interview with the student	2
<b>Amount module 4</b>		<b>90</b>

Chief of the department, Professor

I.D. Duzhiy